

TWIN OAK DAM AND RESERVOIR (PROPOSED)

OWNER

Texas Power and Light Co.

ENGINEER

URS/Forrest and Cotton, Inc.

LOCATION

On Duck Creek about 12 miles northwest of Franklin

DRAINAGE AREA

45 square miles

DAM

Type Earthfill
Length 7,700 feet
Maximum Height 56 feet
Top Width 20 feet
Top Elevation 414.0 feet msl

SPILLWAY - Service

Type Gated controlled concrete ogee
Crest Control Two 40 ft x 14 ft tainter gates
Gross Crest Length 86 feet
Top of Gates 403 feet msl
Low Flow Gated 30-inch conduit

SPILLWAY - Emergency

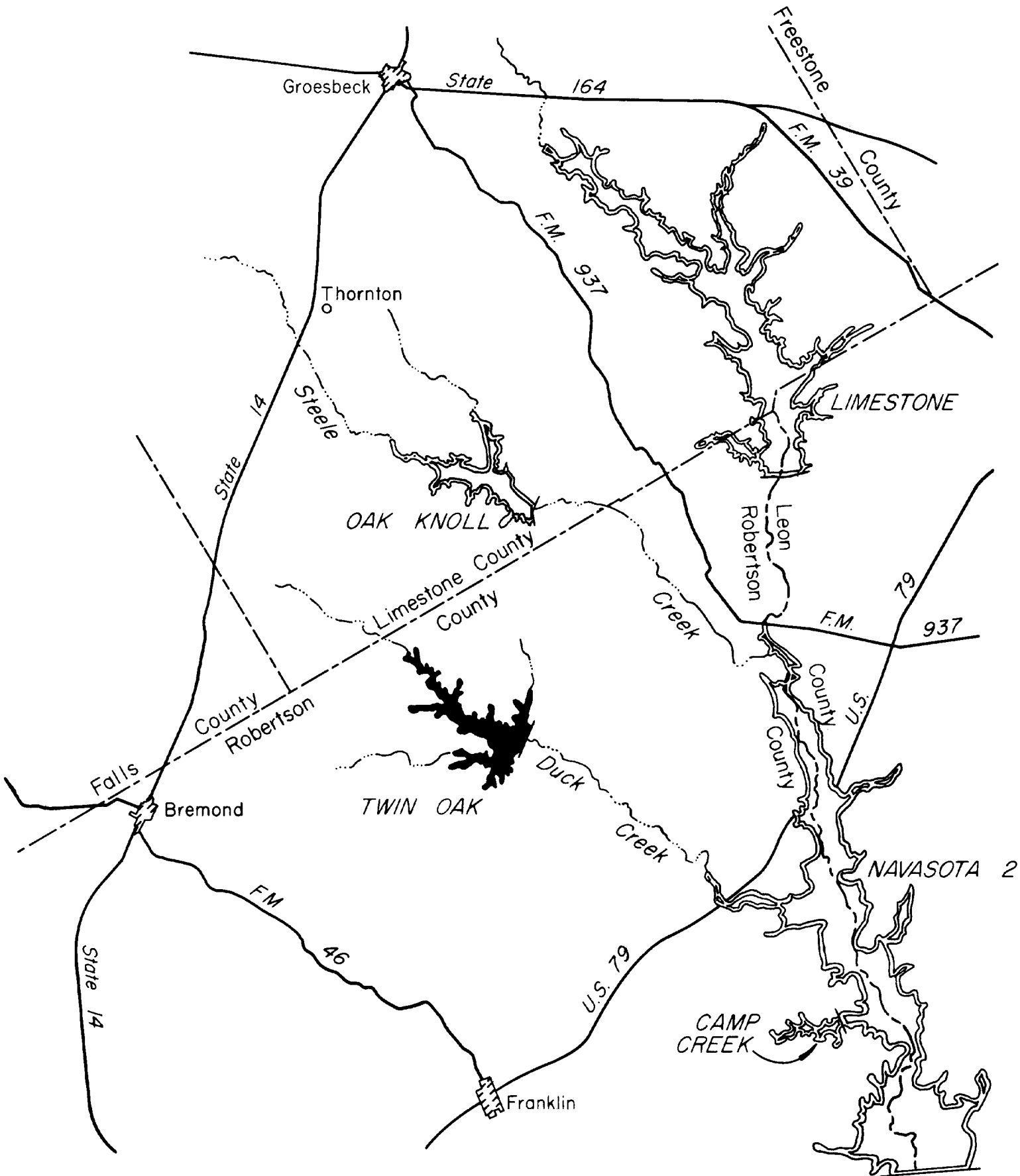
Type Unpaved broadcrest
Length of crest 1,500 feet
Crest elevation 407 feet msl

RESERVOIR DATA

Feature	Elevation (ft above msl)	Capacity (acre-feet)	Area (acres)
Top of dam	414.0	70,885	4,000
Max. water surface	410.0	56,045	3,420
Emergency spillway crest	407.0	46,347	3,040
Normal water surface	401.0	30,319	2,330
Service spillway crest	389.0	9,833	1,130
Streambed	358.0	0	0

INFORMATION OBTAINED FROM

Application plans held by Texas Water Rights Commission prepared by URS/Forrest and Cotton, Inc., dated April 1974.



TWIN OAK